AS SUBMITTED TO THE
MINISTRY OF HOUSING
AND LOCAL GOVERNMENT
JULY 1962

COUNTY BOROUGH OF SOUTHAMPTON

DEVELOPMENT PLAN

WRITTEN ANALYSIS

University of Southampton

DEVELOPMENT PLAN AMENDMENT No. 2 (196)

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WRITTEN ANALYSIS

This written Analysis accompanies Amendment No. 2 (196) University of Southampton of the County Borough of Southampton Development Plan. It amends the Written Analysis accompanying the County Borough of Southampton Development Plan as follows:—

SECTION XIV, SOCIAL SERVICES.

(B) FURTHER EDUCATION AND COUNTY COLLEGES.

Paragraph 5—The University of Southampton.

After the existing paragraphs, add "Development Plan":—

The University of Southampton has prepared a development plan for the expansion of the University in the period ending 1980. It is proposed to increase the student population from 1,725 in 1962 to 2,460 by 1967, to 3,650 by 1977 and to plan for a further increase to 4,000 in 1980.

The proposals comprise the expansion of the University itself in its present locality together with increased provision of residential accommodation for students. A brief summary of the University's development plan is set out below.

1. Expansion of the University.

The University is well established at Highfield. Substantial additional development is proposed to meet the needs of the increased student population. In the development plan great importance is attached to the continuance of the concentration of academic, administrative and associated social and recreational buildings on one site. It is accordingly proposed to enlarge the site to approximately 54 acres. The boundaries of the University will extend as far as Burgess Road to the north and Chamberlain Road to the south. The Common will form the western boundary and Hartley Avenue will separate the eastern boundary from the adjoining residential area. University Crescent and Salisbury Road will be completely absorbed into the scheme and a number of properties in University Road are affected.

Residential accommodation for students on this site will be confined to the provision of one hall of residence for 100 graduates.

(a) Layout and density of development.

The general layout and staging have been designed to :

(i) satisfy the need to group buildings into departments;

(ii) allow for an orderly progression of building and land acquisition;

(iii) meet the needs of the varying kinds of accommodation required; and

(iv) satisfy technical requirements such as daylighting standards and building lines.

The buildings will include a tower block of ten storeys, a tower block of nine storeys and a slab block of eight storeys. Most of the remaining buildings will be four storeys in height. The scale of development is comparable to that of other recent University development in this country and follows a similar pattern to that of a high density housing layout. The proposed density of development can be expressed in the form of a plot ratio (i.e. the ratio of total floor space in buildings to the site area) of 0·825. This overall plot ratio is higher than that of existing development on the University site east of University Road.

(b) Roads.

It is proposed that the main approach to the University from the town will be via The Avenue, Highfield Road and Furzedown Road. The main entrance to the University site will, therefore, be from the south-west. Vehicular entrances will also be made from Burgess Road, Hartley Avenue and University Road. University Road will cease to be a through road, its northern portion becoming part of an internal road system, and will be replaced by Hartley Avenue and Broadlands Road linked together by a section of new road.

(c) Car parking.

It is proposed to provide parking space for 1,200 cars. One of the sites so allocated is suitable for development as a multi-storey park. Parking spaces will be evenly distributed between and under buildings near main internal roads. The use of car parking facilities will be restricted to the staff and certain categories of senior students.

(d) Pedestrian ways and open spaces.

A system of pedestrian routes is incorporated in the layout to link The Common to Highfield Lane and to the valley between Broadlands Road and Granby Grove. Open spaces between buildings will take the form of courts and quadrangles to be laid out as amenity areas, service roads and car parks. Two relatively large open areas are proposed, one a formal space in the centre of the site and the other an informal area which will merge with The Common.

2. Additional Halls of Residence for Students.

In the University's development plan great importance is attached to the provision of halls of residence. It is estimated that the number of students living at home will not exceed 300 and that lodgings will not be available for more than 1,200. Increased provision of places in halls of residence is planned to make good the deficiency which would otherwise arise. It is, therefore, proposed to build more halls of residence to increase the existing provision to 1,000 places in 1965 and 2,500 in 1979. The plans are:—

(a) to provide halls of residence for 200 and 235 students respectively on two sites reserved for that purpose in the Highfield village area; this building is programmed provisionally for the period 1970–72.

(b) to provide further accommodation for 200 students in the grounds of Connaught Hall and for 400 in the grounds of Glen Eyre Hall;

(c) to provide two halls of residence for 300 and 200 students respectively on the Montefiore Sports Ground in Wessex Lane provided that an alternative site for playing fields becomes available; and

(d) to provide a hall of residence for 100 graduates within the main University site.

The University attaches particular importance to the last mentioned proposal. The building is intended to accommodate post-graduate students for higher degrees in science and engineering subjects, and for this reason a site in close proximity to the research laboratories and to the catering facilities of the Students' Union has been selected.

3. Acquisition of Properties.

The properties affected by the proposals comprise :—

260 private dwellings
18 Council houses
10 commercial properties
3 industrial properties
1 Council allotment
1 Nursery garden
6 private open spaces

Of these, 76 had been acquired by the University by private treaty by June, 1962. The University intends to acquire the balance by private treaty wherever possible.

The University asks for reserve powers to acquire properties in the event of failure to agree with the owners. This request relates to 6 private houses to be acquired by the end of 1967 and to a further 35 private properties to be acquired by the end of 1969. Of this total of 41, 17 have already been acquired. An area of 2·8 acres has accordingly been designated as subject to compulsory acquisition in Amendment No. 2 (196) University of Southampton of the County Borough of Southampton Development Plan.

4. Programming.

The University proposes that all development up to 1965 shall be carried out on land already in University ownership. From then onwards, development on the main site will proceed outwards in a sequence designed to minimise disturbance and inconvenience to the residents of the area.

INDEX

SECTION 1

PRINCIPLES OF THE DEVELOPMENT PLAN.

1. General The rapid expansion of universities in order to help to meet the nation's need for trained persons is now an active and essential part of national policy. Capital and recurrent funds are being made available by the Treasury, on the advice of the University Grants Committee, to enable universities to expand and new universities to be created.

It is very probable that the total number of places to be provided in British universities in the seventies will be 170,000 to 175,000. (In October 1960 there were about 102,000 students). On the basis of this increase, the University of Southampton has proposed, in discussions with the University Grants Committee, to rise to a student population of 4,000 in the seventies. The Chairman of the Grants Committee has expressed the view that in relation to the proposed national increase, the increase proposed for this University is an acceptable one.

It is proposed that the increase in student population will be from 1,725 in 1961/62 to 2,460 in 1966/67 and 3,650 in 1976/77. Expansion has already taken place more rapidly than was envisaged five years ago and the figure of 2,460 has been arrived at against the background of long term plans. Having in mind other probable increases after 1977, including the possibility of a medical school, it is considered prudent to plan for a student population of some 4,000 by 1980.

In arriving at these figures the University has in mind a proper distribution of students over the faculties and the proposed distribution is given in Appendix A.

2. Proposed Period of Development.

1980 has been regarded as terminating a period of realistic projected growth. It will be necessary to review the Development Plan at regular intervals during that period so that account may be taken of current developments and trends; the plan should not be regarded as inflexible but as the most realistic one to be followed at this time.

3. Increase in academic buildings.

An increase in student population of this magnitude, considered in terms of additional occupation and the replacement of existing buildings, determines the amount of land required to satisfy all but residential needs in the main University area. The projected increase cannot be accommodated in new buildings on the land already in the possession of the University on either side of University Road. Most students read subjects in more than one department and a number of departments are part of two or more faculties. Because of the need for close relationships between departments the University must be regarded as a working entity and the establishment of teaching departments away from the present site cannot be contemplated. Even if such dispersal were accepted it could not be achieved on land now owned by the University without entailing loss of essential residential accommodation and it is understood that there are no areas of open land within the Borough boundaries or adjoining them which are not already reserved for some other purpose. The University must therefore concentrate all its teaching buildings on and around its present site and, apart from necessary administrative and recreational buildings, develop the land already in its ownership on either side of University Road for teaching purposes only. The proposed phasing of the building programme has been arranged in such a way that the need to build on adjoining

land outside the present boundary will be deferred for as long possible, and until 1965 developments will be confined to sites now in University ownership.

4. Residential Buildings on or near the Main Site.

The University attaches the greatest importance to residential accommodation for a substantial proportion of the student population near the Main Site and, in general, wishes to reduce dispersal in the evenings. Because, however, of the shortage of land in the immediate vicinity of the University it is proposed, with one exception, to limit the building of halls of residence near the University to those areas (Numbers 9 and 10) which are now near-ripe for re-development.

5. A Graduate Hall of Residence.

The one exception mentioned in the preceding paragraph is the Graduate Hall shown in Area 8. This building would accommodate postgraduate students in candidature for higher degrees, mostly in science and engineering subjects. It is desirable that this Hall should be in close proximity to the laboratories, in which they carry out their research, and near the Students' Union, where catering facilities will be available all the year round.

6. Halls of Residence at a distance from the University.

The University intends to build other halls of residence on vacant land in Glen Eyre Road and at Connaught Hall, and also, provided that alternative playing fields can be obtained elsewhere, on the Montefiore Sports Ground in Wessex Lane.

7. Financial provision made by the Government.

H.M. Treasury, on the advice of the University Grants Committee, has agreed to assist the University in the acquisition of the properties in the areas covered by this report, and outlined on the accompanying map. (D.54a).

8. Density of Development.

Assessment of the additional area required for a phased future development depends on several factors:-

(i) The undeveloped land already in University ownership and the availability of additional land suitable for development.

(ii) The proposed density of building developments, and the allocation of land for roads and car-parking.

(iii) The phasing of the building programme.

As mentioned already no additional sites will be required before 1965 and building developments before that year will take place on land already in University ownership. In the following paragraphs dealing with the proposed density of development the "Plot ratios" mentioned are (as shown in Appendix B) calculated on the following formula:

The total floor area of buildings related to the total ground area of the site.

excluding (i) Public roads and rights of way.
(ii) Car-parking space.
(iii) Land considered physically unsuitable for actual building.

but including
(i) Internal private roads and paths.
(ii) Private open space.

No standards of plot ratios exist for university developments in the suburban fringes of a town. The Leeds University Development Plan on a city site envisages a plot ratio of 0.41 and Exeter University on a rural site 0.21,

whereas the ratios for some of the London Colleges rise as high as 5. The plot ratio for the new College of Technology in Southampton is .81. Compared with these figures the overall plot ratio proposed for the developments in Southampton University is .825, which is slightly higher than the plot ratio for the east side of University Road when building on land already owned by the University is complete.

It is estimated that a total parking area of 6 acres for 1200 cars will be required by 1980. In Section 4. Para. 5 the reasons for the general adoption of surface parking are given, but if additional space is needed, or if parking/areas have to be used for some other purpose, provision for the erection of a multi-storey car-parking building has been made in the parking area to the north of Engineering IV in Area 1B.

Only a bare minimum of land for open and amenity purposes has been provided. The area now available for this purpose will be greatly reduced as the building programme proceeds, and proposals for tennis courts etc. have been abandoned.

The plot ratio of the East Site as it will be developed by 1965 is .78, compared with the plot ratio for the rest of the Development Area of .845. In examining these figures the following factors should be borne in mind:

(i) The rate of growth in student numbers.

(ii) The orderly progression of land acquisition.

(iii) The varying kinds of accommodation required, particularly for the science, engineering, and medical departments.

(iv) The relationship of new buildings to other departments.

(v) Town Planning regulations relating to daylight infringement, building lines etc.

It is submitted that the overall plot ratio of .825 proposed is reasonable and that it would not be possible to improve it by erecting a smaller number of larger buildings.

9. Developments outside the present East Site.

The development of the University excluding the almost fully developed East Site has been planned in five distinct groups:

(i) Central Academic & Social Buildings.
These buildings will be in common use by all students and staff and no change in their use is likely.

(ii) Arts Faculty Group.
No change in the use of the accommodation provided is likely. It consists of offices and classrooms and is capable of inter-departmental adaption without difficulty.

(iii) Science and Engineering Faculty Groups.
These groups comprise multi-and single-storey buildings. The former contain offices and teaching laboratories, and the latter research and workshop facilities designed for heavy loads, special working height requirements and technical services. No change in use is likely.

(iv) Pre-Clinical Medical School.
The specific requirements of these buildings demand separate grouping and no change in use is likely. It should also be remembered that no accurate date can be given for this development since it is dependent on the national programme for the expansion of medical education.

10. General Conditions.

(i) In each group of buildings except the central group it is considered that a system of structure and servicing can be evolved to permit the interchange

or reallocation of accommodation between departments forming the group. This will also contribute to the sharing of accommodation by departments. Such a system will be of particular value to science and engineering buildings where later changes in the function of rooms are frequently desirable.

(ii) With the proposed grouping a greater density can be achieved by continuous terraces of buildings instead of individual buildings.

(iii) Where student traffic is heavy, four storey buildings have been provided to avoid dependence on lifts.

(iv) Care has been taken to relate the University grounds with Southampton Common, situated on the West side of the development area.

(v) The proposed building expenditure up to 1980 is at approximately the same rate as has been authorised by H.M. Treasury for the period 1957/1965.

SECTION 2

EXISTING AND PROPOSED LOCATIONS OF DEPARTMENTS

1. General.

In present conditions, academic departments are located almost entirely on the east side of University Road. As expansion takes place, the complete re-siting of certain departments will be inevitable. This will involve the rebuilding or the conversion to other uses of some buildings, depending upon their condition and the cost of conversion. The re-disposition of departments in the Development Plan is described by faculties, wherever possible, in the following paragraphs. Details of the proposed and existing buildings are given in Appendices C and D.

2. Faculty of Arts.

(i) Existing Accommodation.

The departments in the Faculty of Arts are greatly dispersed in the following accommodation:-

(a) Parts of the Main Building intended ultimately for Library use.

(b) Ground floor of Library Extension, intended ultimately for Library use.

(c) Ground floor of Parliamentary Papers Library.

(d) Temporary timber huts on east side of University Road.

(e) Nos. 60, 101 and 119 University Road.

(ii) Proposed Accommodation.

(a) In 1961, a start will be made on a new Arts building on the West side of University Road. This will provide accommodation for the Departments of Languages, History, Music and Theology, and temporary accommodation for the Faculty of Law. It will form the nucleus of the future Arts Faculty group of buildings. It is expected that permanent accommodation elsewhere will be required by the Faculty of Law in 1971, and that the Arts Building

2. Faculty of Arts (Contd).

(ii) (a) (Contd).

itself will need to be extended in 1973. (This illustrates the need for the reservation of space to be made to enable foreseeable extensions to be built in the right places).

(b) In 1962, a start will be made on a Mathematical Institute on the West side of University Road within the Arts Faculty group, with an adjacent site reserved for an extension in 1971.

(c) In 1965, a start will be made on a Geography Building forming part of the Arts Faculty group on the West side of University Road.

(iii) Land involved by this Development.

(a) Existing University property.

(b) Private Houses.

3. Faculty of Law.

(i) Existing Accommodation

The Faculty of Law occupies Nos. 42 and 61, University Road.

(ii) Proposed Accommodation

(a) In 1963, on completion of the new Arts Building, the Faculty of Law will be accommodated temporarily on the ground floor.

(b) By 1971 the expanding Faculty of Arts will need the ground floor accommodation in the Arts Faculty Building, and a permanent building for the Faculty of Law will be required. This will be provided within the Arts Faculty Group, because of the great similarity between the accommodation required by Arts and Law.

3. Faculty of Law (Contd).

(iii) Land involved by this Development.

(a) Existing University property.

(b) Private Houses.

4. Faculty of Engineering.

(i) Existing Accommodation.

The Departments in the Faculty of Engineering are concentrated in the following accommodation at the north end of the site on the east side of University Road, unless otherwise stated:-

(a) Eustice Building.

A pre-1939 two-storey building containing lecture rooms, staff rooms and a library.

(b) Workshops

A pre-1939 single-storey building.

(c) Semi-permanent Huts

Three pre-1939 single-storey buildings containing Electrical Engineering laboratories and a drawing office.

(d) Tidal Model Building

A single-storey building, completed in 1957, on the west side of University Road, near the Common.

(e) Lanchester Building

A four/five-storey building, completed in 1959, containing lecture rooms, staff rooms, a drawing office, Electrical Engineering, Aeronautical Engineering and Hydraulics Laboratories, and the Department of Electronics.

(f) Tizard Building

A two-storey building, completed in 1960, with accommodation mainly for the special requirements of the Department of Aeronautical Engineering,

4. Faculty of Engineering (Contd).

and provision for the construction of a further two storeys in the future.

(ii) Additional Accommodation Proposed

(a) Engineering III

This ten-storey building is under construction at present to the east of the existing group of engineering buildings. It will provide laboratory accommodation for the Departments of Civil and Electrical Engineering, and additional staff and research rooms, drawing offices, lecture rooms and library space.

(b) Engineering IV - VII

These buildings will extend northwards from the existing group of engineering buildings, starting in 1965, and providing the research, teaching and workshop facilities required to meet the progressive increase in student numbers. The existing departments will expand into these buildings, but new developments in Metallurgy, Light Electrical Engineering, Nuclear Engineering and Control Engineering are expected also to take place.

(iii) Land involved by this Development.

(a) Council houses in Broadlands Road.

(b) Non-statutory allotments between Broadlands Road and University Crescent.

(c) Agricultural nursery, 120, Burgess Road, now owned by the University.

(d) Private Houses in University Road and University Crescent

(e) Site of existing Botany Building.

5. Faculty of Science.

(i) Existing Accommodation

With the exception of Botany, the departments in the Faculty of Science occupy adjacent sites on the University's Hartley Avenue frontage:-

5. Faculty of Science (Contd)

(i) Existing Accommodation (Contd).

(a) Botany

This Department is inadequately housed in a two-storey building constructed in 1928 on a site next to No. 50, University Road. This site is incapable of accommodating an extension at the required time and is intended ultimately for a new engineering building.

(b) Geology, Zoology, Physiology and Bio-Chemistry.

These three Departments share inadequate two-storey accommodation on a restricted site between Engineering III and the Chemistry Building. A series of piecemeal additions during the past thirty years has produced an unsatisfactory building, further extension of which is almost impossible.

(c) Chemistry.

The Chemistry Building occupies the site between Zoology and Physics. An eight-storey extension is under construction at present.

(d) Physics.

The three-storey Physics Building occupies a narrow tongue of land with the Chemistry Building at one end, the University's Works Department at the other, and residential property on either side. This building cannot be further extended at a time of imminent need for additional accommodation for the Department.

(ii) Additional Accommodation Proposed.

(a) Physics, Botany and Geology.

The present location of departments in the Faculty of Science is such that there is insufficient land in University ownership on the east side of University Road for a single expanded Science Faculty group of buildings to develop in the long-term. The additional

5. Faculty of Science (Contd)

(ii) Additional Accommodation Proposed (Contd).

(a) Physics, Botany and Geology (Contd)

accommodation which is urgently required for Physics, Botany and Geology cannot be provided in extensions to their existing buildings, and new buildings for these Departments are being planned in a second Science Faculty group on land now in University ownership on the west side of University Road.

In its new location the Botany Department will be situated adjacent to the existing Botany Garden. The size of this garden is considered adequate for future requirements, and those portions of it which are too steep to be ideally suited for building purposes will be retained; but, as it is proposed to build the Union Building at the north end of the garden and the Botany Building on the flat portion to the west, compensatory areas have been allocated to the south and east.

(b) Zoology, Physiology and Biochemistry.

A new building for Zoology and Oceanography will be located in the north-east of the development area, because of its ultimate relationship with the Pre-clinical Medical School. This will enable the Department of Physiology and Biochemistry to expand in the building it shares at present with Geology and Zoology.

(c) Chemistry.

Additional buildings for Chemistry will be provided to the south of the department's present accommodation. It is likely that the building already in this area, at present occupied by Physics, will be suitable for conversion for certain branches of Chemistry.

5. Faculty of Science (Contd)

(ii) Additional Accommodation Proposed (Contd).

(d) Pre-clinical Medical School.

This new development is not contemplated until near the end of the planning period. To avoid leaving an isolated residential area it has been sited on the edge of the development area on the Burgess Road frontage.

(iii) Land involved by this Development.

(a) University grounds.

(b) Private houses.

6. Faculties of Economics and Education.

Both faculties are accommodated on the east side of University Road in buildings which are incapable of further extension. It is proposed that the existing Assembly Hall should be demolished and replaced by a two-storey building which would provide the additional accommodation required by these faculties by the end of the next decade.

The functions of the Assembly Hall will be fulfilled by the Great Hall, the Nuffield Theatre and the Students' Union Building.

7. Sub-Department of Computation.

Accommodation for the Sub-Department was completed in 1958 on a site near the boundary with the Common. Although additional computing facilities will be provided in the adjacent Mathematical Institute, the demolition of the existing building is not contemplated in the foreseeable future.

8. Library

(i) Existing Accommodation

The original library occupies the central portion of the Main University Building on the east side of University Road. A three-storey extension to the east was completed in 1959. The upper two storeys are occupied by the Library and the ground floor is occupied temporarily by the Faculty of Arts.

(ii) Additional Accommodation Proposed

(a) The ground floor of the 1959 extension, once it is vacated by the Faculty of Arts.

(b) The remainder of the Main University Building, once it is vacated by the Faculty of Arts and members of the administrative staff.

(c) The addition of a fourth storey to the 1959 extension.

9. Administration

(i) Existing Accommodation

The administrative staff are scattered and inadequately accommodated in different parts of the Main Building, private houses and temporary huts. The need for a centralised administration cannot be met in the Main Building, which is reserved for Library use. The sites of the private houses and temporary huts occupied by the Administration are required for new buildings.

(ii) Proposed Accommodation

A new building for the Administration will be sited to the south of the Main Building and the Institute of Education. This will involve the acquisition by the University of two private houses.

Permanent accommodation for the Works and Gardens Department is proposed near the Broadlands Road frontage of the Development Area.

10. Students' Union

(i) Existing Accommodation

The students' dining, social, recreational and administrative facilities are inadequately accommodated in the Refectory Building on the west side of University Road.

(ii) Additional Accommodation Proposed

A new building will be sited to the south of the existing building and will be large enough to accommodate the additional facilities which will be required by a University of 4,000 students. The existing building is likely to be devoted mainly to the needs of students in lodgings, and the new building will contain dining rooms, common rooms, indoor athletic facilities, a debating hall and a library.

11. Senior Common Room.

The new building completed in 1960 is expected to provide sufficient accommodation for the long-term requirements the academic staff, and no extension is shown on the development plan. Should this building prove in due course to be inadequate, it would be possible for the Senior Common Room to extend into part of the adjacent students' Refectory Building.

12. Nuffield Theatre

The construction of this theatre will be commenced as part of the new Arts Building in 1961. This has been made possible by a generous grant from the Nuffield Foundation, and the theatre will combine the functions of a dramatic theatre, a music theatre, a cinema, and the principal University lecture theatre.

13. Great Hall

This building has been allocated a central site in the development plan. It will be used for examinations, on ceremonial occasions such as the conferment of degrees when the congregation of large numbers of people is involved, and for social purposes. Existing facilities for such functions are already inadequate within the University. The site proposed will involve the acquisition by the University of four private houses in University Road, and it is the intention to commence the construction of the Great Hall in 1966.

SECTION 3

RELATIONSHIP OF EXISTING TO PROPOSED DEPARTMENTS

I. Students' Curricula

The great majority of students read subjects in more than one department or faculty at some stage in their courses. For this reason it is important that lines of communication between related departments should be kept as short as possible, and this has influenced the proposed siting of all new buildings, although it is inevitable that the expansion and re-disposition of existing departments will involve some compromise between the ideal and the practicable inter-departmental relationships. The following observations give a broad view of the way in which related departments are grouped together wherever possible.

2. Faculties of Arts and Law

Strong relationships exist between departments in the Faculty of Arts. The type of accommodation required by the Faculty of Arts is similar to that required by the Faculty of Law, and these faculties will share initially the new Arts Building due to be started in 1961 and completed in 1963. Arts will expand eventually into the accommodation occupied initially by Law, and Law will move into an adjacent building.

3. Faculty of Engineering.

All engineering students receive the same course of instruction in their first year. The Development Proposals should provide the shortest possible lines of communication within the faculty, as all the engineering buildings - with the exception of the existing Tidal Model Laboratory near the Common - are grouped together, giving a maximum distance of about 400 yards between buildings.

4. Faculty of Science.

(i) By re-siting the Department of Physics on the West Site, it will be 400 yards away from the Department of Chemistry. This is unsatisfactory but inevitable, as Chemistry cannot be moved from its new buildings on the east side of University Road, and there is insufficient land available for the departments to develop side by side.

(ii) The Department of Physiology and Bio-Chemistry will probably remain in the existing Zoology Building, in which the Department will be able to expand when Geology and Zoology are re-housed. In this location the department is well placed beside Chemistry, although its distance of more than 400 yards from Zoology, unless it is moved to the Medical School area, will not be ideal.

(iii) The siting of the Zoology Department near the Medical School is satisfactory since a number of medical students will take classes in the department.

5. Faculties of Economics and Education.

Although relations exist between these faculties and other faculties it is desirable that they should continue to develop on their present sites, where proximity to the Library is a great advantage.

6. Relationships between Mathematics and other Departments.

Mathematics is read as a subject by students in the Faculties of Arts, Science and Engineering. It is not possible to find a site for Mathematics which satisfies equally all these relationships, but the site chosen is roughly equidistant from the Faculty of Arts, the Faculty of Engineering and the Departments of Physics, Geology and Botany.

7. Relationships between the Sub-Department of Computation and other Departments.

The Sub-Department forms part of the Department of Mathematics and serves all the departments of the Faculties of Science and Engineering.

8. Relationships between the Nuclear Reactor and other Departments.

The Reactor building is sited at a distance of 300 feet from dwelling houses, in compliance with the recommended safety requirements. In this position it will be very near to the Departments of Physics and Botany, but this siting is less satisfactory for the Faculty of Engineering and the Department of Chemistry.

9. Relationships between all Departments and the Library.

There are considerable relationships between all departments - and the departments in the Faculty of Arts in particular - and the Main Library. For this reason the Library will remain in its present central position, and will expand into the Main University Building.

10. Buildings in communal use.

Grouped at the centre of the Development Plan are the following buildings:-

Main Library.

Administration.

Students' Union.

Senior Common Room.

Nuffield Theatre.

Great Hall.

The central siting of these buildings - which will define the principal quadrangle of the University - is intended to be equally convenient for all students and members of staff.

SECTION 4.

ROAD COMMUNICATIONS, CAR PARKING & OPEN SPACES.

1. General

The University site is located in a suburban housing area approximately 2½ miles from Southampton Civic Centre. The site is bisected by University Road, a major suburban bus route. Apart from Southampton Common to the West and Hartley Avenue to the east, the remaining boundaries are formed by the back gardens of dwelling houses served by minor roads, two of which are cul-de-sacs. The pattern of future development now proposed establishes the University as a clearly defined area, bounded by Burgess Road on the North, Hartley Avenue and Broadlands Road on the East, Chamberlain Road on the South and the Common on the West.

2. Access to the Centre of Southampton.

Access to the centre of Southampton from the existing site is indirect, and the plan provides good communications to the town by connecting Furzedown Road to the West Site and thus opening a direct route to the University by way of The Avenue and Highfield Road. To ensure that this approach will function satisfactorily it is recommended that improvements to the junction of Highfield Road, Highfield Lane and Furzedown Road should be effected.

3. Other Approaches

A major proposal is that University Road should be closed and an alternative north-south road formed by the projection of Hartley Avenue across the valley to Broadlands Road. This road could carry public transport from Portswood to Burgess Road, leaving the University free to incorporate University Road (from No.51 to the northern end) within the proposed internal road system. In this connection

3. Other Approaches (Contd.)

it must be emphasised that University Road presents an increasingly dangerous hazard because of the heavy pedestrian traffic between the east and west sites. A further proposal is that, with the development of the Burgess Road frontage, access from the north and from A.33 should be improved by changes in the road lines.

4. Internal Roads.

Within the proposed boundaries the existing street pattern is to be completely replaced by an internal road system planned as far as possible on a ring route to give, with a minimum road length, adequate service to all buildings and car parks. The ring road will have connections with Furzedown Road, Chamberlain Road, Burgess Road, Broadlands Road, Hartley Avenue and University Road. It is recommended that a number of alterations to existing public roads on the proposed boundaries and within the proposed site should be carried out, and details of these alterations are given in Appendix E.

5. Car Parking.

The proposed car parking facilities for 1,200 cars will not meet the University's full potential demand, since no allowance has been made for cars belonging to first and second year students. It has been felt that a lower figure would be unrealistic in relation to the demands of modern traffic and allowance has been made for car-ownership by the great majority of the staff and a proportion of the senior students. Four methods of car parking have been examined.

	Method	Approximate Cost per Car Space
(i)	Surface parking	£100
(ii)	Parking under buildings	£700
(iii)	Multi-storey parking (non-mechanical)	(£275 open sides (£450-£600 enclosed
(iv)	Underground parking	£850

5. Car Parking (Contd)

Underground parking was not considered financially possible but, in spite of the heavy cost, one of the parking sites has been allocated for a multi-storey parking building should a substantial increase over 1200 places be found essential. The basic plan provides in the main for surface parking with a limited use of parking under buildings, the main principles being that car parks should serve building groups rather than individual buildings and that they should be located near the internal ring road. Certain disadvantages are thus avoided:

(i) The unsightliness of a large central car park.

(ii) Numerous sources of noise nuisance.

(iii) The complexities of mixed pedestrian and vehicular traffic.

(iv) Excessive movement to and from the ring road.

6. Pedestrian Ways

A system of pedestrian routes has been designed to facilitate movement throughout the University precinct. It is hoped that there will be some pedestrian access to the University from the Common. It is also hoped that pedestrians will be able to approach the University from Portswood by way of the open space lying north of Granby Grove, and from Church Lane by the area of woodland known as Glebe Copse.

7. Open Spaces.

The plan contains three forms of open space.

(i) Between building groups such as:

(a) The central quadrangle created by the Main Building, Great Hall, Senior Common Room, Union, etc. This will be semi-formal in

7. Open Spaces (Contd)

character with a high proportion of paved surfaces to accommodate fairly large gatherings.

(b) The West Site space adjacent to the Common, bounded by the science and arts groups of buildings, the Union building and the Senior Common Room.

(ii) Within groups to create successive courts such as

(a) The arts court, consisting mainly of a large lawn

(b) The engineering courts, with hard surfaces for large items of equipment.

(iii) Within buildings to provide an "outside" room, as in the Senior Common Room Building.

From this it will be seen that the planting plan will start with the indigenous vegetation of the Common in the largest spaces until highly detailed gardening is reached close to buildings.

SECTION 5.

Provision of Services.

1. The provision of adequate heating, electricity, water, gas and drainage services must be ensured as the University expands.

2. With the exception of heating, which will continue to be generated within the University, the supply of the necessary services will depend upon the co-operation of the public undertakings concerned. The residential area surrounding the University is unlikely to be provided with a mains distribution which can readily feed a group of buildings such as the University will contain.

3. Although it is very difficult to estimate the requirements of a long term building programme, it is clearly essential that demands for services which are not within the control of the University should be anticipated as far as possible in advance of the building programme and the results communicated to the appropriate authority.

4. Two of these services, heating and electricity, have been examined already on the basis of approximate estimates, and Appendices F and G illustrate the extent of the increased demands which are likely to result from the proposed development.

In the case of heating, the 1958 load of 12.58 million BTU's/hour is expected to increase by 1979 to 78.80 million BTU's/hour.

The electrical load in 1958 of 320 KVA is expected to increase by 1979 to 7541 KVA.

Similar increases can be expected in water and gas consumption and in the amount of sewage effluent produced.

5. It is therefore essential that a comprehensive service plan be prepared, and suitably adjusted as the Building Programme proceeds. The necessary planning is already in progress.

SECTION 6

HALLS OF RESIDENCE.

1. General

Only a small proportion of the students of the University live at home, and it is accordingly necessary, as numbers rise, to provide additional residential accommodation within a reasonable distance of the teaching buildings. This may be in the form either of lodgings in private houses or of halls of residence. The former University College traditionally attached great importance to halls of residence and in 1952/53, the first full session after the achievement of University status, there were 441 (47.2%) students in halls of residence out of a total of 933 students. In 1960/61, with a steady increase in student numbers, and despite the completion of a new hall of residence for that session, the number of students was 608 (37.1%) out of 1640.

In accordance with the approved building programme for 1961 to 1965 there will be 1000 (40%) students in halls of residence in October, 1965, out of a total of 2500 students. By 1979 it is proposed that 2500 (62.5%) students should live in halls of residence out of a total of 4000. Throughout the period allowance has been made for not more than 1200 students in lodgings, with the balance living at home. Appendix H sets out the provisional building programme for halls of residence and the numbers of students in attendance at the University as each hall is completed.

2. Lodgings.

In session 1960/61 there were 864 students in lodgings. There is no precise guide to the availability of lodgings, but in view of the increasing number of industrial enterprises coming to Southampton, it has been judged that a figure of more than 1200 students in lodgings would be unrealistic.

3. General Planning Considerations for New Halls of Residence.

The increase of residential buildings has been planned in relation to the following factors:

(i) A maximum of 1500 students living in lodgings or at home.

(ii) The priority of teaching requirements.

(iii) The importance of accommodating students near the main University site.

(iv) The suitability of sites in Areas 9 and 10 near-ripe for redevelopment.

(v) The availability of land already in University ownership.

(vi) The undesirability of large concentrations of students on outlying sites.

(vii) The need to create the focal point of each student's life and work in the University area and not in a residential community.

4. Proximity of Residences to the Main Site.

The advantages of building halls of residence near the main site can be summarised as follows:

(i) Reduction to a minimum of travelling time between the University and the hall.

(ii) The beneficial effect on the University as a whole of accommodating students at or very near the University by:

(a) avoidance of dispersal after the conclusion of lectures

(b) the extensive use in the evening of the facilities offered by the Library, the Students' Union and the Nuffield Theatre.

The University attaches the greatest importance to these considerations.

5. Land Use and Size of Buildings.

In the planning of new halls, careful thought has been given to the maximum economy in land use. One guide to the development of land for halls of residence is the University Grants Committee's recommendation that not less than 50 students should be accommodated per acre. The University's proposals envisage 42 to 68 students per acre, the variations being attributable to site conditions, the presence of existing halls and the imposition of height restrictions because of low-flying aircraft. An allowance of 280 sq. ft. per student has been applied to the buildings and it has been assumed that halls accommodating 200 to 250 students are economic units.

6. Halls of Residence 1961.

(i) Highfield Hall - Omdurman Road.

Capacity	100 women students.
Distance from University ...	800 yards.
Site (2 acres)	Fully developed.

(ii) Glen Eyre Hall - Glen Eyre Road

Capacity	150 men students
Distance	1130 yards.
Site (17.54 acres)	Capable of further development.

6. Halls of Residence 1961 (Contd)

(iii) Chamberlain Hall - Glen Eyre Road.

Capacity	With adjacent South Hill - 180 women students.
Distance	900 yards.
Site (6 acres)	Fully developed.

(iv) South Stoneham House - Wessex Lane.

Capacity	43 men students.
Distance	1520 yards.
Site (6.9 acres)	Capable of further development.

(v) Connaught Hall - Wessex Lane.

Capacity	135 men students
Distance	1710 yards.
Site (8 acres)	Capable of further development.

7. Halls of Residence - 1962.

The following additional residential accommodation is planned for completion for Session 1962/63.

Glen Eyre Hall	- Extension to provide accommodation for 100 additional men students.
South Stoneham House	- Extension and reconstruction of existing hall to increase capacity to 200 men students.

12.79 acres will remain available for development at Glen Eyre and none at South Stoneham House.

8. Sites for Halls of Residence - Post 1962

The following halls are planned to start from 1962 onwards on land belonging to the University at Glen Eyre, Wessex Lane, on land near-ripe for re-development in Areas 9 and 10, and on the West Site.

8. Sites for Halls of Residence - Post 1962 (Contd)

(i) Glen Eyre

Number of Halls 2

Capacity of each ... ... 200 students

Total provision ... ... 400 students

The density of 42 students per acre is attributable to:-

(a) Ministry of Transport and Civil Aviation height restriction of 30 ft.

(b) Area of steep ground unsuitable for building

(c) Preservation of amenity ground.

(ii) Connaught Hall.

Number of halls 1

Capacity ... ... 200 students.

The density of 42 students per acre is attributable to:

(a) Low lying land bordering Monks Brook.

(b) Preservation of formal garden belonging to existing hall.

(iii) Montefiore Sports Ground

Capacity of combined halls ... 500 students

Density ... ... 52 students per acre.

The use of this site is dependent on the acquisition of a new sports ground and it has the considerable disadvantage that the main Southampton - Winchester railway line forms the west boundary. It is not regarded as wholly desirable that there should be over 1000 students residing in this area (Connaught, South Stoneham and Montefiore), and apart from this the University is greatly concerned about the unsatisfactory road communications with the University. In particular it will be necessary to widen the narrow railway bridge leading to

8. Sites for Halls of Residence - Post 1962 (Contd)

(iii) Montefiore Sports Ground (Contd)

Portswood Road and to improve the junction of Wessex Lane with that road. This development is only expedient because of the absence of alternative sites nearer the University.

(iv) Areas 9 and 10.

Number of halls	2
Capacity	200 and 235 students.
Total provision	435 students.
Density	68 and 53 students per acre.

These sites have been included in the proposals for halls of residence because they are near-ripe for re-development, and because of the great importance that the University attaches to the building of halls near the main University site. Several vacant sites already exist in these areas.

(v) Graduate Hall - West Site.

Number of halls	1
Capacity	100 postgraduate students
Density	50 students per acre.

The number of postgraduate students in candidature for higher degrees will increase steadily, particularly in science and engineering. It is of the utmost importance that these students - some of whom will be married - should have easy access to the laboratories in which they work, because of the need for their presence at regular intervals during the day and night. This hall has accordingly been sited close to the departmental buildings, and adjacent to the Students' Union, where catering facilities will be available throughout the year. Part of the site falls steeply and is unsuitable for building.

9. Nyewoods Estate

Reference should be made to this 14 acre site on the West side of Chilworth Road (outside the Borough Boundary), which will come into University ownership on the termination of a life tenancy. The distance from the University is 2 miles and only 9 acres are suitable for residential development. In 1959 an Outline Planning Application was submitted to Hampshire County Council for the erection of a hall of residence for 250 students. Permission was refused on the grounds that "the proposal would be, in scale and character, seriously detrimental to the surrounding residential area and that the siting of the hall of residence on the east side of the trunk road would cause serious traffic difficulties, particularly as respects Chilworth Road".

10. Phasing of Building Programme for Halls of Residence.

The phasing of the building programme must be flexible and it should be emphasised that changes may be necessary. For example, the halls of residence in Areas 9 and 10 are shown for the period 1970-1975, but in certain circumstances the University may wish to begin these schemes at an earlier date. There is the strong possibility that, with the re-zoning of Areas 9 and 10 for University purposes, enough property could be acquired by agreement to permit building, and in that event it would be wrong to sterilize a number of vacant plots for 10 years or more. In the Wessex Lane area, it may transpire that delay in the acquisition of a new sports ground would prevent development and this, in turn, would reinforce a proposal to begin the halls in Areas 9 and 10 earlier.

SECTION 7

Land Acquisition - Amendments to the Town Development Plan.

1. General. The University owns 32.57 acres on both sides of University Road. It proposes to acquire 18.555 acres for teaching and administrative purposes and student facilities and 10.46 acres for residential purposes. The total area of 29.015 acres includes the following properties, some of which have been acquired already.

Property.	Teaching etc.	Residential.
Dwelling houses (privately owned).	172	88
Dwelling houses (publicly owned).	18	-
Commercial establishments	8	2
Industrial properties.	2	1
Agricultural nursery.	1	-
Council allotment area.	1	-
Private open spaces.	1	5

These properties are listed in Appendix I and the eventual Main Site and hall sites are defined in Appendices J and K.

2. Phasing of Acquisitions. There are four phases of acquisition of 5 years each:

(i) 1960 - 1964

The University has given an undertaking that no additional sites will be required before 1965, and all buildings to be erected during this period will be on land already in University ownership.

(ii) 1965 - 1969

During this period it is proposed that Areas 1 (a), 1 (b), 4 (a), 4 (b) and 7 (a) should be designated for compulsory acquisition for University purposes. This means that the Borough Council is asked to use compulsory

Land Acquisition - Amendments to the Town Development Plan (Contd)

2. Phasing of Acquisitions. (Contd)

powers in this area for the University, if properties cannot be bought by private treaty.

The numbers of properties affected are:

Dwelling houses (privately owned)	39
Dwelling houses (Council owned).	18
Commercial properties	1
Council allotments	1
Agricultural nursery	1
Industrial properties.	1

To avoid hardship the University is prepared to undertake that compulsory powers should only be asked for 6 houses up to 1967, leaving the remainder to the last two years of the period.

(iii) 1970-1974

The University proposes that the areas required in this and the succeeding period should be re-zoned for University purposes, and no request is made for compulsory acquisition. The numbers of properties affected are:

Dwelling houses (privately owned)	129
Commercial properties	2
Industrial properties	1
Private open spaces	5

(iv) 1975-1980

The numbers of properties affected are:

Dwelling houses (privately owned).	92

Commercial properties	7
Industrial properties	1
Private open space	1

3. Planning of Acquisitions. The sequence of acquisition has been planned to expand the University site outwards from the centre towards the proposed boundaries without leaving isolated pockets of houses. Care has been taken in the siting of buildings to ensure that there is no daylight infringement even if the property is to be acquired later. In the same way, the proposed changes in the road patterns will not affect access to non-University property. Wherever possible disturbance and inconvenience to the residents of the area will be avoided, and the University has expressed itself as willing to buy property by private treaty in all the areas covered by the proposals.

4. Amendments to the Town's Development Plan. The submission of the University's Development Plan to the Borough Council will be accompanied by a request that the Town's Development Plan be amended to show the areas affected as re-zoned for University purposes or, as explained in Paragraph 2 (ii) of this Section, as designated for compulsory acquisition to a limited extent. It is also the University's wish that the Montefiore Sports Ground, which is at present zoned as a University open space, should be re-zoned for Hostel use to allow the erection of halls of residence in this area.

SOUTHAMPTON UNIVERSITY

REPORT ON DEVELOPMENT PLAN - APPENDICES

A	Proposed student population.
B	Calculation of plot ratios.
C	Proposed teaching, administrative and social buildings - 1961-1977.
D	Existing buildings on Main Site.
E	Alterations to existing roads.
F	Estimated heating and electrical loads - annual load increase.
G	Estimated heating and electrical loads - annual load increase by building groups.
H	Provisional building programme for halls of residence.
I	Properties affected by the University's proposals.
J	Definition of Main Site.
K	Definition of sites for halls of residence.

APPENDIX A

PROPOSED STUDENT POPULATIONS

Faculty	1961 - 62	1966 - 67	1976 - 77
Arts	415	540	800
Economics	213	270	400
Law	66	100	150
Education	120	150	200
	814	1060	1550
Science	550	850	1200
Engineering	360	550	900
	910	1400	2100
TOTAL	1724	2460	3650

1. General.

The purpose of the following examination of plot ratios is to establish a relationship between the density of building that will be achieved on the East Site, which may be considered almost fully developed by 1962, and the density of the proposed developments on the area of West Site, Areas 1 to 8 inclusive, and Areas 11 to 13 inclusive.

2. Definition

Plot Ratio is defined as the total area of floor space of buildings related to the total ground area of the site excluding:

(i) All public roads and rights of way as existing.

(ii) An allowance for car parking.

(iii) An allowance for land considered physically unsuitable for normal building.

but including:

(i) All internal private roads and paths.

(ii) Private open space.

3. East Site (as existing).

(i) Total area of floor space, including all existing buildings, Engineering I, 2, and 3, Economics 1, Chemistry 1 and Engineering 2a = 452, 450 sq. ft.

(See paragraph 6 below).

(ii) Total area of ground = 13.31 acres
= 79,800 sq. ft.

(iii) Plot Ratio of East Site = .78

4. West Site (as existing) plus development areas (excluding areas 9 and 10.)

(i) Total area of floor space proposed = 1,121,247 sq. ft.

(See paragraph 6 below)

APPENDIX B (Contd)

(ii) Total area of ground:

West Site	=	19.26 Acres
1a	=	1.64
1b	=	2.82
1c	=	1.76
2a	=	0.206
2b	=	1.06
3	=	3.76
4a	=	0.46
4b	=	1.45
4c	=	0.51
4d	=	0.11
5	=	0.71
6a	=	0.24
6b	=	0.33
6c	=	0.647
7a	=	0.45
7b	=	1.05
8	=	3.20
11	=	0.94
12	=	0.019
13	=	0.253
		40.875 Acres.

(iii) Total area of ground to be allowed for car parking = 6.09 acres

(iv) Total area of ground unsuitable for normal building:-
Valley in West Site and Area 8, road widening to Burgess Road, Hartley Avenue extension to Broadlands Road =4.353 acres

(v) Total area of ground excluding (iii) and (iv) above =30.432 acres
=1,325,618 sq.ft.

(vi) Plot ratio =0.845

5. Total Area including proposed acquisitions except Areas 9 and 10

(i) Total area of floor space to be accommodated:

Para. 3(i) - East Site (as existing)	=	452,450 sq. ft.
Para. 4(i) - West Site (as existing) plus development areas	=	1,121,247 sq. ft.
		1,573,697 sq. ft.

(ii) Total area of ground:

Para. 3(ii) - East Site (as existing)	=	579,800 sq. ft.
Para. 4(v) - West Site (as existing) plus development areas	=	1,325,618 sq. ft.
		1,905,418 sq. ft.

(iii) Plot ratio = 0.825

6. Details of Floor Areas for East and West Sites referred to in Paras. 3 and 4

(i) East Site - Sum of Floor Areas of Buildings as existing by 1962 and proposed

Chemistry	24,800 sq. ft.	
Main Building	58,000	
Botany	8,000	
Institute of Education	17,000	
Library Extensions	33,000	
Arts Tutorial	5,000	
Assembly Hall	5,750	(to be replaced by Economics Extension)
Physics	29,000	
Zoology, Physiology and Geology	27,000	
Eustice Building and Workshops	31,000	
Economics 1	6,500	
Chemistry 1	46,000	
Engineering 1	44,650	
Engineering 2	29,000	
Engineering 2a	20,000	(Two additional storeys on Engineering 2)
Engineering 3	67,750	
	452,450 sq. ft.	

APPENDIX B (CONTD).

(ii) West Site (as existing plus development areas (excluding Areas 9 and 10)

- Sum of floor areas of Buildings as existing and proposed by 1980

20,287 sq. ft.	Senior Common Room
26,000	Refectory Building
46,500	Arts Building
6,500	Theatre
43,200	Mathematics 1
100,000	Physics 1
104,800	Union
57,600	Geology and Botany
12,000	Reactor
21,600	Administration
32,000	Geography
48,200	Engineering 4
20,000	Great Hall
39,200	Zoology
20,720	Law
40,000	Engineering 5
57,200	Engineering 6
9,600	Economics 2
35,200	Chemistry 2
11,840	Arts 2
17,400	Mathematics 2
64,200	Engineering 7
35,200	Chemistry 3
48,000	Physics 2 & 3
176,000	Medical
28,000	Graduate Hall
1,121,247 sq. ft.	

APPENDIX C

PROPOSED TEACHING, ADMINISTRATIVE & SOCIAL BUILDINGS 1961-1977+

Year of Commencement	Building	Grd. Floor Area sq. ft.	No. of Storeys	Total Floor Area sq. ft.	Running Total sq. ft.
61	Arts 1	8,250	3	24,750	
		28,250	1	28,250	
			Total	53,000	53,000
62	Mathematics 1	4,800	9	43,200	
			Total	43,200	96,200
63	Physics 1	16,000	4	64,000	
		24,000	1½	36,000	
			Total	100,000	196,200
63	Union	21,600	3	64,800	
		4,000	10	40,000	
			Total	104,800	301,000
64	Geology	7,200	4	28,800	229,800
64	Botany	7,200	4	28,800	358,600
65	Reactor	12,000	1	12,000	370,600
65	Administration	7,200	3	21,600	392,200
65	Geography	8,000	4	32,000	424,200
65	Engineering 2a	10,000	2	20,000	444,200
65	Engineering 4	12,800	3	38,400	
		9,800	1	9,800	
			Total	48,200	492,400

APPENDIX C (Contd).

Year of Commencement	Building	Grd. Floor Area sq. ft.	No. of Storeys	Total Floor Area sq. ft.	Running Total
66	Great Hall	8,000	2½	20,000	512,400
68	Zoology	8,800	4	35,200	
		4,000	1	4,000	
			Total	39,200	551,600
69	Law	5,180	4	20,720	572,320
69	Engineering 5	8,800	4	35,200	
		4,800	1	4,800	
			Total	40,000	612,320
70	Economics 2	4,800	2	9,600	621,920
71	Engineering 6	8,000	4	32,000	
		14,000	1	14,000	
		11,200	1	11,200	
			Total	57,200	679,120
71	Chemistry 2	8,800	4	35,200	704,320
71	Arts 2	2,960	4	11,840	726,160
71	Mathematics 2	17,400	1	17,400	743,560
75	Physics 2	8,000	3	24,000	767,560
76	Engineering 7	13,600	4	54,400	
		9,800	1	9,800	
			Total	64,200	831,760
77	Chemistry 3	8,800	4	35,200	866,960
77	Physics 3	12,000	2	24,000	890,960
78	Medical	44,000	4	176,000	1,066,960

APPENDIX D

EXISTING BUILDINGS (1961) MAIN SITE INDICATING EXISTING AND PROPOSED USE

EAST SITE:

Building	Area sq. ft.	Existing Use	Proposed Use	Comments
Main Building	58,000	Administration Library Arts Mathematics	Library	Arts, Mathematics & Administration are to be re-housed in 1963,64 and 66
Library Extension	33,000	Library	Library	A new building, completed in 1959
Chemistry	28,000	Chemistry	Chemistry	To be considerably altered internally. by 1962.
Botany	8,000	Botany	To be demolished. Site for Engineering Buildings 6 and 7	Botany is to be re-housed in a new building in 1966
Institute of Education.	11,000 + 6,000	Education	Education	This building is to be extended by 6,000 sq. ft. in late 1961.
Arts Tutorial Block	5,000	Arts Economics	Economics	Arts to be re-housed in 1963, leaving space for Economics expansion.
Assembly Hall	5,750	Recreation Dramatics Examinations	To be demolished Site for Economics Extension.	Use replaced by new Union, Building 1965, Great Hall'68 Nuffield Theatre '63
Physics	22,000 + 7,000	Physics	Chemistry	To be re-housed in a new building 1965, in the meantime extended by 7,000 sq. ft. in 1960.

Building	Area sq. ft.	Existing Use	Proposed Use	Comments
Zoology	26,000	Zoology	Physiology	Geology and Zoology to be re-housed in 1966 and 1970, leaving space for Physiology expansion.
Physiology & Geology	1,000	Physiology Geology		
Eustice Building & Workshops	31,000	Engineering	Engineering	
Lanchester Bldg. (Engineering 1)	44,000	Engineering	Engineering	A new building completed in 1959
Tizard Building (Engineering 2)	29,000	Engineering	Engineering	A new building completed in 1960.
Economics 1	7,000	Economics	Economics	A new building completed in 1959.
Temporary Huts	4,000	Engineering Chemistry Physics Service Staff Miscellaneous	to be demolished	These huts to be cleared for new buildings and land scape improvements.

WEST SITE:

Building	Area sq. ft.	Existing Use	Proposed Use	Comments
Refectory Building	26,000	Junior Common Rooms and Refectory	To be retained	
Senior Common Room	22,000	Senior Common Room	To be retained	A new building completed 1960.
Computer Building	4,000	Computation	To be retained	See Section 2, Para 7.
Tidal Model	4,000	Civil Engineering	do.	Erected at Commercial Firm's Expense.

MISCELLANEOUS SITES:

Domestic Dwellings	4,000	Miscellaneous	To be demolished.	

APPENDIX E

Alterations to existing roads

ITEM	DESCRIPTION	TIME OF EFFECT
1	Closure of Salisbury Road complete	1978
2	Closure of University Crescent complete	1976
3	Closure of Highcrown Street	1972
4	Closure of University Road between dwelling number 49 to Burgess Road	Not later than 1980
5	Extension of Hartley Avenue into Broadlands Road	Not later than 1978
6	Connection of Roselands Gardens to Hawthorn Road	1972
7	Closure of junction between Hawthorn Road and Highfield Lane	1972
8	Extension of Furzedown Road to intersect with extension of Chamberlain Road	Not earlier than 1970
9	Closure of north extension of Chaplin Street	1970

Annual Load Increase

Completion Year	Building	Heat 10^6 BTU	H/S 10^6 BTU	Running Total	KVA	Running Total
Pre 59	Physics	1.01	.15)			
"	Chemistry	1.36	.25)			
"	Gymnasium	.315	.035)			
"	Geology	1.01	.25)		320	320
"	Workshops	2.00	.3)			
"	Education	.425	.075)			
"	Botany	.60	.05)			
"	Main Building & Library	3.42	.08		150	470
"	Refectory	1.00	.25	12.58	41	511
"	Hydraulics Model				40	551
"	Computer				50	601
59	Economics 1	.37		12.95		
59	Engineering 1	2.00	.25	15.20	320	921
60	Engineering 11	1.70	.50	17.40	320	1241
60	Senior Common Room	1.10	.35	18.85	35	1276
62	Engineering 111	2.85	.25	21.95	720	1996
62	Chemistry 1	2.26	.22	24.37	450	2446
63	Arts 1 & Theatre	3.00	.25	27.62	310	2756
64	Mathematics 1	1.80	.18	29.60	140	2896
65	Engineering 2a	2.00	.20	31.80	150	3046
65						
65	Physics 1	4.20	.42	36.42	650	3696
65	Union	4.60	1.15	42.17	200	3896
66	Geology	1.20	.12	43.49	90	3986
66	Botany	1.30	.13	44.92	90	4076
66	Reactor	.50	.05	45.47	100	4176
67	Administration	.90	.09	46.46	160	4236
67	Geography	1.30	.13	47.89	90	4326
67	Engineering 4	2.10	.21	50.20	320	4646
68	Great Hall	1.50	.20	51.90	40	4648
70	Zoology	1.70	.17	53.77	150	4836
71	Law	.90	.09	54.76	60	4896
71	Engineering 5	2.00	.20	56.96	260	5156
72	Economics 2	.90	.09	57.95	60	5216
73	Engineering 6	2.00	.20	60.15	260	5476
73	Chemistry 2	2.00	.20	62.35	400	5876
73	Arts 2	.60	.06	63.01	45	5921

APPENDIX F (Contd).

Completion Year	Building.	Heat 10^6 BTU	HWS 10^6 BTU	Running Total	KVA	Running Total
73	Mathematics 2	.90	.09	64.00	60	6081
74	Graduate Hall	1.50	.40	65.90	100	6181
76	Engineering 7	2.00	.20	68.10	260	6341
76	Chemistry 3	2.00	.20	70.30	400	6741
77	Physics 2	1.00	.10	71.40	100	6841
79	Physics 3	2.00	.20	73.60	200	7041
80	Medical	4.20	1.00	78.80	500	7541

ESTIMATED HEATING & ELECTRICAL LOADS APPENDIX G

Annual Load Increase by Building Groups

Building Group	Completion Year	Building	Heat 10^6 BTU	HVS 10^6 BTU	Running Total	KVA	Running Total
East Site							
	Pre 59		10.14	1.19	11.33	470	470
	59	Economics 1	.37		11.70		
	59	Engineering 1	2.00	.25	13.95	320	790
	60	Engineering 2	1.70	.50	16.15	320	1110
	62	Engineering 3	2.85	.25	19.25	720	1830
	62	Chemistry 1	2.20	.22	21.67	450	2280
	65	Engineering 2a	2.00	.20	23.87	150	2430
	67	Administration	.90	.09	24.86	60	2490
	72	Economics 2	.90	.09	25.85	60	2550
	73	Chemistry 2	2.00	.20	28.05	400	2950
	76	Chemistry 3	2.00	.20	30.25	400	3350
Engineering							
	67	Engineering 4	2.10	.21	2.31	320	320
	71	Engineering 5	2.00	.20	4.51	260	580
	73	Engineering 6	2.00	.20	6.71	260	840
	76	Engineering 7	2.00	.20	8.91	260	1100
Science							
	65	Union	4.60	1.15	5.75	200	200
	65	Physics 1	4.2	.42	10.37	650	850
	66	Geology	1.20	.12	11.69	90	940
	66	Botany	1.30	.13	13.12	90	1030
	66	Reactor	.50	.05	13.67	100	1130
	74	Graduate Hall	1.50	.40	15.57	100	1230
	77	Physics 2	1.00	.10	16.67	100	1330
	79	Physics 3	2.00	.20	18.87	200	1530
Arts							
	Pre 59	Refectory	1.00	.25	1.25	41	41
	59	Computer				50	91
	59	Hydraulics Model				40	131
	60	Senior Common Room	1.10	.35	2.70	35	166
	63	Arts 1 & Theatre	3.00	.25	5.95	310	476
	64	Mathematics 1	1.80	.18	7.93	140	616
	67	Geography	1.30	.13	9.36	90	706
	68	Great Hall	1.50	.20	11.06	40	746
	70	Zoology	1.70	.17	12.93	150	896

APPENDIX G (Contd)

Building Group	Completion Year	Building	Heat 10^6 BTU	HVS 10^6 BTU	Running Total	KVA	Running Total
Arts (Contd)							
	71	Law	.90	.09	13.92	60	956
	73	Arts 2	.60	.06	14.58	45	1001
	73	Mathematics 2	.90	.09	15.57	60	1061
Medical	80		4.20	1.00	5.20	500	500

APPENDIX H

PROVISIONAL BUILDING PROGRAMME FOR HALLS OF RESIDENCE.

Year of Commencement	Project	Capacity	Estimated Student Population			
			In Hall	Lodgings & at home	Total	By Year
	Halls existing & being extended:-					
-	South Stoneham House (+ extension)	200)				
-	Highfield Hall	100)				
-	Connaught Hall	135)	865	1000	1865	1962
-	Glen Eyre Hall (+ extension)	250)				
-	Chamberlain Hall (+ South Hill Annexe)	180)				
1963	Connaught Hall Grounds	200	1065	1100	2165	1964
1964	GlenEyre Hall Grounds	200	1265	1200	2465	1966
1966	Glen Eyre Hall Grounds	200	1465	1240	2705	1968
1968	Montefiore Sports Ground	200	1665	1280	2945	1970
1970	Area 9	200	1865	1320	3185	1972
1972	Area 10	235	2100	1325	3425	1974
1974	Graduate Hall	100	2200	1465	3665	1976
1976(+)	Montefiore Sports Ground	300	2500	1500	4000	1978(+)

APPENDIX I

PROPERTIES IN THE AREAS OF LAND AFFECTED BY THE UNIVERSITY'S PROPOSALS.

(+ indicates properties in University ownership on 30th April, 1961).

Identification	Land Use	Approx. Age of Property	Period of Acquisition.
Burgess Road:			
90	Private Dwelling	1905	1975-9
92A	"	1935	"
92	"	1910	"
94	"	"	"
94A	"	1930	"
96	"	1910	"
98	"	"	"
100	"	"	"
102	"	"	"
104	Commercial Shop	1925	"
106	"	"	"
108	"	"	"
110	"	"	"
116 N.P. Bank	Commercial	1910	"
+120 Boundary Hall	Agricultural Nursery.		1965-9
Salisbury Road:			
1	Private Dwelling	1905	1975-9
3	"	"	"
5	"	"	"
7	"	"	"
9	"	"	"
11	"	"	"
13	"	"	"
15	"	"	"
17	"	"	"
19	"	"	"
21	"	"	"
23	"	"	"
25	"	"	"
27	"	"	"
29	"	"	"
31	"	"	"
33	"	"	"
35	"	"	"

APPENDIX 1 (Contd.)

Identification	Land Use	Approx. Age of Property	Period of Acquisition
Salisbury Road (Contd.)			
37	Private Dwelling	1905	1975-9
39	"	"	"
41	"	"	"
43	"	"	"
45	"	"	"
47	"	"	"
49	"	"	"
51	"	"	"
53	"	"	"
55	"	"	"
Bowling Green & Pavilion	Social	-	"
G.F. James (Engineers)	Light Industry	-	"
2	Private Dwelling	1905	1965-9
+4	"	"	"
6	"	"	"
8	"	"	"
10	"	"	"
12	"	"	"
14	"	"	"
+16	"	"	"
18	"	"	"
20	"	"	"
+22	"	"	"
+24	"	"	1970-4
26	"	"	"
28	"	"	"
30	"	"	"
+32	"	"	"
+34	"	"	"
36	"	"	"
38	"	"	"
40	"	1920	"
+42	"	"	"
44	"	1930	"
+46	"	1925	"

APPENDIX 1 (Contd.)

Identification	Land Use	Approx. Age of Property	Period of Acquisition
Salisbury Road (Contd.)			
48	Private Dwelling	1925	1970-4
Chaplin Street			
1A	Private Dwelling	1920	1970-4
2A	"	"	"
Glebe Cottage	"	"	"
2	"	1905	"
4	"	"	"
6	"	"	"
8	"	"	"
10	"	"	"
12	"	"	"
+Storehouse	Light Industry Builder's Store	"	"
+16	Private Dwelling	1920	"
+18	"	"	"
+Site of 20	Vacant Land	-	"
22	Private Dwelling	1905	"
24	"	"	"
26	"	"	"
28	"	"	"
30	"	"	"
32	"	"	"
34	"	"	"
36	"	"	"
38	"	"	"
40	"	"	"
42	"	"	"
44	"	"	"
46	"	"	"
48	"	"	"
23	Private Dwelling	1925	1970-4
25	"	1905	"
27	"	"	"
29	"	"	"
31	"	"	"
33	"	"	"
35	"	"	"

Identifications	Land Use	Approx. Age of Property	Period of Acquisition
Hawthorne Road:			
Hawthorne	Private Dwelling	1930	1970-4
Briarlea	"	"	"
Orchard Cottage	"	1920	"
Arama	"	1930	"
Freefolk	"	"	"
The Haven	"	"	"
Highfield Lane			
5	Private Dwelling	1880	1970-4
7	"	"	"
9	"	"	"
11	"	"	"
13	"	"	"
15	"	"	"
17	Commercial Shop	"	"
19	Private Dwelling	"	"
21 Highfield Lodge (4 sub-units)	"	pre 1850	"
Oakhurst Road:			
+1	Private Dwelling	1905	1970-4
Highcrown Street:			
+1	Private Dwelling	1905	1970-4
3	"	"	"
5	"	"	"
7	"	"	"
The Crown	Commercial Public House	"	"
6 (site of)	Garages	-	"
8 (site of)	Vacant Site	-	"
10	Private Dwelling	"	"
12	"	"	"
14	"	"	"
+16	"	"	"
Site of 17	Vacant Land	-	"
18	Private Dwelling	1905	"
+20	"	"	"
22	"	"	"
23	"	"	"
24	"	"	"

APPENDIX 1 (Contd.)

Identification	Land Use	Approx. Age of Property	Period of Acquisition
Highcrown Street (Contd.)			
25	Private Dwelling	1905	1970-4
26	"	"	"
28	"	"	"
+29 (St. Brelade, Hawthorne Road.)		"	"
30	"	"	"
+31 (Barbrook, Hawthorne Road.)	"	"	"
32	"	"	"
32A	"	"	"
34	"	"	"
36	"	"	"
38	"	"	"
40	"	"	"
+42	"	"	"
44	"	"	"
46	"	"	"
48	"	"	"
50	"	"	"
52	"	"	"
54	"	"	"
+56	"	"	"
58	"	"	"
+Site of 33-45	Vacant Land	-	"
Roselands Gardens			
+Thirlstane	Private Dwelling	-	"
Hartley Avenue			
+17	Private Dwelling	1930	1970-4
19	"	"	"
21	"	"	"
23	"	"	"
25	"	"	"
+27	"	"	"
29	"	"	"
31	"	"	"
Broadlands Road			
151	Council Dwelling	"	1965-9
153	"	"	"
155	"	"	"
157	"	"	"
159	"	"	"
161	"	"	"
163	"	"	"

Identification	Land Use	Approx. Age of Property	Period of Acquisition
Broadlands Road (Contd.)			
165	Council Dwelling	1930	1965-9
167	"	"	"
169	"	"	"
171	"	"	"
173	"	"	"
175	"	"	"
177	"	"	"
179	"	"	"
181	"	"	"
183	"	"	"
185	"	"	"
Chamberlain Road			
8	Private Dwelling	1930	1975-9
10	"	"	"
+12	"	"	"
14	"	"	"
+16	"	"	"
+18	"	"	"
+20	"	"	"
22	"	"	"
24	"	"	"
+26	"	"	"
+28	"	"	"
+30	"	"	"
+32	"	"	"
34	"	"	"
36	"	"	"
38	"	"	"
40	"	"	"
42	"	"	"
44	"	"	"
46	"	"	"
48	"	"	"
50	"	"	"
52	"	"	"
+54	"	"	"
56	"	"	"
+58	"	"	"
University Road.			
51	Private Dwelling	1925	1970-4
53	"	"	"
55	"	"	"
57	"	"	"

Identification	Land Use	Approx. Age of Property	Period of Acquisition
University Road (Contd.)			
59	Private Dwelling	1925	1970-4
+61	House used as offices	"	"
63	Private Dwelling.	1930	"
+93	House used as offices	"	1965-9
+95	"	1920	"
97	Private Dwelling	1925	"
+99	House used as offices	"	"
+101	"	"	"
103	Private Dwelling	"	"
105	"	"	"
107	"	"	"
+119	House used as Offices	"	"
121	Private Dwelling	"	"
+123	"	"	"
125	"	"	"
127A	Light Industry	-	"
127	Private Dwelling	1923	"
129	"	1910	"
131	"	"	"
133	"	"	"
135	"	"	"
137	"	"	"
139	"	"	"
141	"	"	"
143	Commercial Post Office	"	"
145	Private Dwelling	"	1975-9
147	"	"	"
149	"	"	"
151	"	"	"
153	"	"	"
155	"	"	"
157	"	"	"
159	"	"	"
161	"	"	"
163 Stile Inn	Commercial Public House	"	"
26 Portion of rear garden only	Private Dwelling.	1926	"
28 "	"	"	"
30	"	"	"
32	"	"	"
34	"	"	"

Identification	Land Use	Approx. Age of Property	Period of Acquisition
University Road (Contd)			
36	Private Dwelling	1926	1975-9
38	"	"	"
40	"	"	"
+42	House used as offices	"	1965-9
44	Private Dwelling	"	"
46	"	"	"
50	"	"	1970-4
52	"	"	"
54	"	"	1975-9
56	"	"	"
58	"	"	"
+60	House used as offices	"	"
62	Private Dwelling	"	"
64	"	"	"
66	"	"	"
68	"	"	"
+70	"	"	"
+72	"	"	"
74	Commercial Shop	"	"
76	Private Dwelling	"	1965-9
78	"	"	"
+80	"	"	"
+82	"	"	"
University Crescent			
1	Private Dwelling	1935	1965-9
2	"	"	1970-4
3	"	"	"
4	"	"	"
Dormer	"	"	"
5	"	1925	"
6	"	"	"
7	"	"	"
8	"	"	"
9	"	"	"
10	"	"	"

Identification	Land Use	Approx. Age of Property	Period of Acquisition
University Crescent (Contd)			
11	Private Dwelling	1910	1970-4
12	"	"	"
13	"	"	"
14	"	"	"
14A	"	1925	"
15	"	"	"
Granby Grove			
62	"	1925	"
64	"	"	"

APPENDIX 'J'

DEFINITION OF MAIN SITE DEVELOPMENT AREAS

NUMBER OR NAME	DESCRIPTION	AREA (ACRES)
East Site	Land already owned by University from University road on the west to Hartley Avenue on the East	13.31
West Site	Land already owned by University from University Road on the East to the common on the west	19.26
Area 1A	Land occupied by agricultural nursery No. 120 Burgess Road, houses No. 76, 78, 80 and 82 University Road, and house No. 1 University Crescent	1.64
Area 1B	Land occupied by houses No. 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177, 179, 181, 183, and 185 Broadlands Road, and the allotment gardens to the west of the above houses	2.96
Area 1C	Land occupied by houses No. 2, 3, 4, 'Dormer', 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 14A and 15 University Crescent	1.76
Area 2A	Land occupied by houses No. 50 and 52 University Road	0.206
Area 2B	Land occupied by houses No. 54, 56, 58, 60, 62, 64, 66, 68, 70, 72 and 74 University Road.	1.06
Area 3	Land contained in an area bounded by Burgess Road, University Road, Salisbury Road and the common	3.76
Area 4A	Land occupied by houses No. 95, 97, 99, 101, 103, 105 and 107 University Road	0.46

NUMBER OR NAME	DESCRIPTION	AREA (ACRES)
Area 4B	Land occupied by houses No. 119, 121, 123, 125, 127, 129, 131, 133, 135, 137, 139, 141 and 143 University Road, and houses No. 2, 4, 6, 8, 10, 12, 14, 16, 18, 20 and 22 Salisbury Road	1.45
Area 4C	Land occupied by houses No. 24, 26, 28, 30, 32, 34, 36, 38, 40, 42 and 44 Salisbury Road	0.51
Area 4D	Land occupied by houses No. 46 and 48 Salisbury Road	0.11
Area 5	Land occupied by houses No. 17, 19, 21, 23, 25, 27, 29 and 31 Hartley Avenue	0.71
Area 6A	Land occupied by houses No. 48, 50, 52, 54, 56 and 58 Chamberlain Road	0.24
Area 6B	Land occupied by houses No. 32, 34, 36, 38, 40, 42, 44 and 46 Chamberlain Road	0.33
Area 6C	Land occupied by houses No. 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28 and 30 Chamberlain Road	0.647
Area 7A	Land occupied by houses No. 44 and 46 University Road	0.45
Area 7B	Land occupied by houses No. 30, 32, 34, 36, 38, 40 and 42, and portions of rear gardens of houses No. 26 and 28 University Road	1.05
Area 8	Land occupied by houses No. 51, 53, 55, 57, 59, 61 and 63 University Road	3.20

NUMBER OR NAME	DESCRIPTION	AREA (ACRES)
Area 11	Land occupied by orchard and allotment gardens bounded by north east boundaries of land occupied by houses No. 23, 27, 29, 31, 33, 35 and 48 Chaplin Street; south west boundaries of land occupied by houses No. 24, 26, 28, 30, 32, 34, and 36 Hilldown Road; south east boundaries of land occupied by houses No. 5 and 8 Chamberlain Road and part of the south boundary of University west site	0.94
Area 12	Land occupied by house No. 1 Oakhurst Road	0.019
Area 13	Land occupied by houses No. 62 and 64 Granby Grove and portion of allotment gardens at rear of house No. 62	0.253

APPENDIX 'K'

DEFINITION OF SITES FOR HALLS OF RESIDENCE

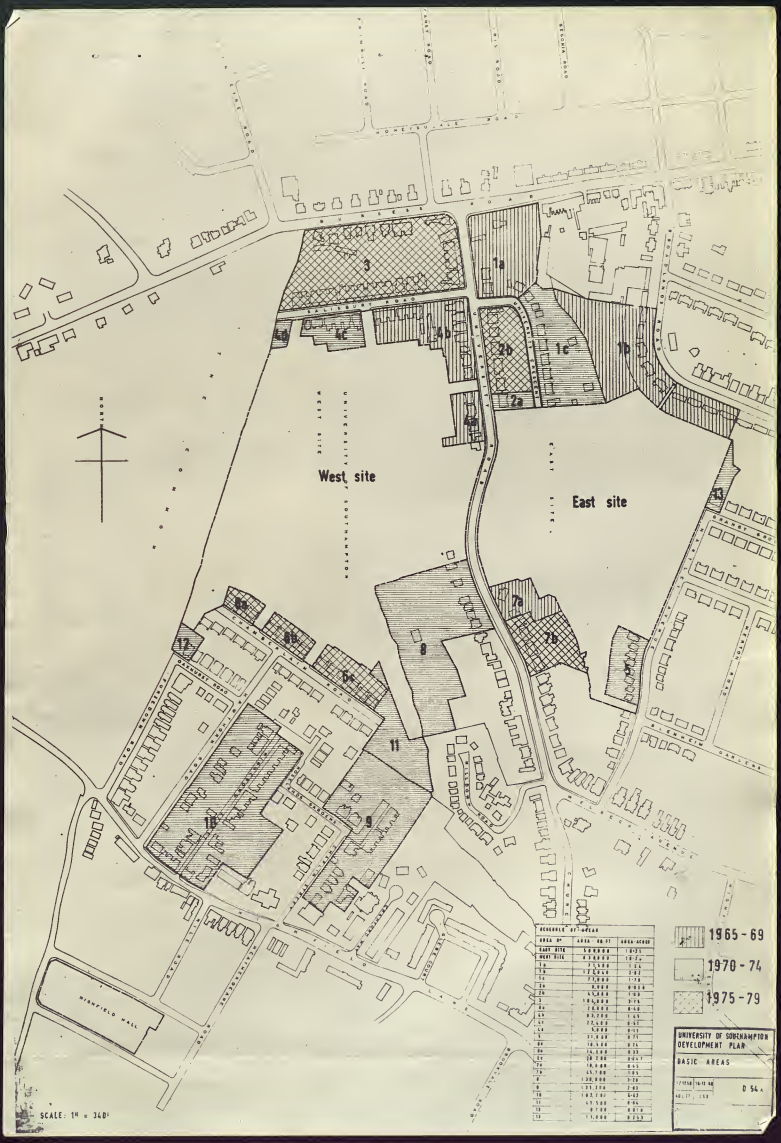
NAME OF SITE	DESCRIPTION	AREA (ACRES)
Highfield	Land contained in an area bounded by Highfield Road, Khartoum Road, Omdurman Road, the west boundary of land occupied by houses 26 and 26A Omdurman Road and the west boundary of land occupied by house No. 24 Khartoum Road	1.66
Glen Eyre	Land contained in an area bounded on south and west by Glen Eyre Road, on the north by Glen Eyre Drive and on the east by new residential development	17.54
Chamberlain Hall and South Hill	Land contained in an area bounded on the north east by Glen Eyre Road, and on the west by Chetwynd Drive	5.42
South Stoneham	Land contained in an area bounded by Wessex Lane, Woodmill Lane, Monk's Brook, and the south, west, and north boundaries of land occupied by St. Mary's Church	6.92
Connaught	Land contained in an area bounded by Wessex Lane; east boundary of land occupied by St. Mary's Church; Monk's Brook and the south boundary of land occupied by houses No. 1 to 12 Friar's Way	8.0
Montefiore (Playing fields)	Land contained in an area bounded by railway tracks, Woodmill Lane and Wessex Lane	9.654
Hall of Residence 1	Area 9, being land occupied by houses No. 23, 25, 27, 29, 31, 33, and 35 Chaplin Street; No. 1A, 2A, Glebe Cottage, No. 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22 and 24 Chaplin Street, and No. 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46 and 48 Chaplin Street; and the north east extension of Chaplin Street	2.83

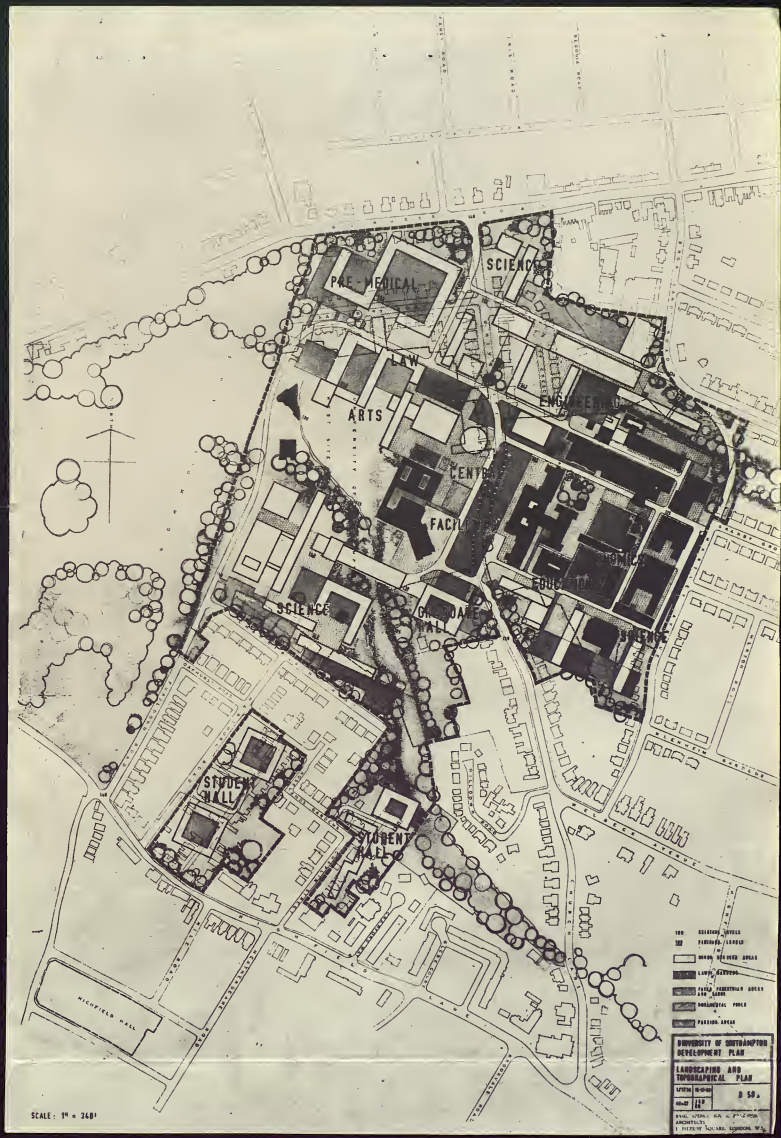
NAME OF SITE	DESCRIPTION	AREA (ACRES)
Hall of Residence 2	Area 10, being land occupied by houses No. 5, 7, 9, 11, 13, 15, 17, and 19 Highfield Lane; Houses No. 1, 3, 5, and 7, Crown Inn, House No. 17 Orchard Cottage, No. 23 and 25, Briarlea, Hawthorn, House No. 29, 31, 33, 37, 41, 43 and 45, Houses No. 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 32A, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56 and 58, Highcrown Street; The Haven, Freefolk and Arama, Hawthorn Road; 21, Highfield Lodge, Highfield Lane; Thirlstane, Roselands Gardens; 6 & 8 Highcrown Street	4.43

THE UNIVERSITY OF SOUTHAMPTON

OBSERVATIONS ON THE UNIVERSITY'S PROPOSALS RELATING TO THE AMENDMENT OF THE SOUTHAMPTON TOWN PLAN

These observations should be read in conjunction with Basil Spence and Partners' drawings D/54a - 65a and SK/49c -50c.


West site
East site
3
4a
4b
4c
1a
1b
1c
2a
2b
5a
5b
5c
6a
6b
6c
7a
7b
8
9
10
11
12
13
14
Highfield Hall
1965 - 69
1970 - 74
1975 - 79
UNIVERSITY OF SOUTHAMPTON
DEVELOPMENT PLAN
BASIC AREAS
D 54.
SCALE: 1" = 360'


PRE-MEDICAL
SCIENCE
LAW
ARTS
ENGINEERING
CENTRE
FACILITIES
SCIENCE
GRADUATE HALL
LIBRARY
STUDENT HALL
STUDENT HALL
MICHIFELD HALL
EXISTING BUILDS
PROPOSED BUILDS
MAIN PEDESTRIAN AREAS
LAWN GARDENS
PEDESTRIAN AREAS LAW GARDS
ORNAMENTAL POOLS
PARKING AREAS
UNIVERSITY OF SOUTHAMPTON
DEVELOPMENT PLAN
LANDSCAPING AND TOPOGRAPHICAL PLAN
D 50.
SCALE: 1" = 348'